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# Message Text

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ORIGIN DOE-15

INFO OCT-01 EA-12 ISO-00 ACDA-12 CIAE-00 INR-10 IO-14
L-03 NSAE-00 NSC-05 EB-08 NRC-07 OES-07 SOE-02
DODE-00 SS-15 SP-02 CEQ-01 PM-05 COME-00 /119 R

DRAFTED BY USDOE:IA:SCEJA:LFB
APPROVED BY OES:NET:DHOYLE
USDOE:ET:FALCI
USDOE:IA:BENGELSDORF
T/D: L SCHEINMAN (SUBS)
S/AS: P FARLEY
EA/J: D BROWN
OES/NET/EST: J BORIGHT (SUBS)
EA: F BENNETT
OES/NET/EIC: D H COOPER
----------045779 171330Z /45
P 171311Z APR 78
FM SECSTATE WASHDC
TO AMEMBASSY TOKYO PRIORITY

UNCLAS STATE 097604

E.O. 11652: NA

TAGS: ENRG, MNUC, TECH

SUBJECT: CENTRALIZED SPENT FUEL STORAGE SYSTEM STUDY

REF: 77 STATE 237394

1. AS POST IS AWARE, A KEY FEATURE OF PRESIDENT CARTER'S NONPROLIFERATION POLICY IS AVOIDANCE OF PREMATURE COMMITMENT TO APPROACHES TO THE NUCLEAR FUEL CYCLE WHICH MIGHT PROVIDE DIRECT ACCESS TO WEAPONS-USEABLE MATERIALS SUCH AS SEPARATED PLUTONIUM. DEFERRAL OF THE REPROCESSING OF SPENT FUEL, WHICH THE PRESIDENT ANNOUNCED AS PART OF THE
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POLICY IN HIS APRIL 17 MESSAGE, HOWEVER, HAS INCREASED THE NEED TO EXPAND SPENT FUEL STORAGE CAPACITY.

2. AS A RESULT, U.S. IS NOW INVESTIGATING SPENT FUEL STORAGE QUESTIONS BOTH DOMESTICALLY AND INTERNATIONALLY AND ON AN URGENT BASIS. THE LATTER ASPECTS ARE A MAJOR FEATURE OF THE INTERNATIONAL NUCLEAR FUEL CYCLE EVALUATION

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(INFCE).

3. THE UNITED STATES DEPARTMENT OF ENERGY HAS CONTRACTED WITH BOEING ENGINEERING AND CONSTRUCTION (BEC), A DIVISION OF THE BOEING COMPANY, AND ITS SUBCONTRACTORS, INTERNATIONAL ENERGY ASSOCIATES LIMITED (IAEL) AND ONE FIRM, DOUB, PURCELL, MUNTZING AND HANSEN, TO CONDUCT A STUDY OF ISSUES AND OPTIONS IN ESTABLISHING CENTRALIZED SPENT NUCLEAR FUEL

TRANSPORTATION AND STORAGE SYSTEM(S). PURPOSE IS TO INVESTIGATE THE FEASIBILITY AND POSSIBLE INTEREST IN SUCH SYSTEM(S). THE SCOPE OF THE STUDY INCLUDES TECHNICAL, ECONOMIC, FINANCIAL, REGULATORY AND OTHER INSTITUTIONAL FACTORS. OPTIONS WILL BE DEVELOPED FOR CONSIDERATION REFLECTING DIFFERING MODES OF OPERATION, SITING, OWNERSHIP, TERMS AND CONDITIONS OF AGREEMENTS AND CONTRACTS, AND CONTROL. EMPHASIS IS ON DEVELOPING REALISTIC OPTIONS WHICH ARE OPERATIONALLY AND FINANCIALLY VIABLE AND WHICH WOULD HAVE THE BROADEST BASE OF SUPPORT BY PROSPECTIVE PARTICIPANTS.

4. IN CONDUCTING THE STUDY, VISITS HAVE BEEN MADE BY A CONTRACTOR TEAM TO A NUMBER OF COUNTRIES WITH SIGNIFICANT NUCLEAR POWER PROGRAMS FOR THE PURPOSEOF COLLECTING BOTH TECHNICAL DATA ON SPENT FUEL DISCHARGES, AND INFORMATION ON NATIONAL POLICIES AND PLANS RELATING TO THE DISPOSITION
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OF THIS MATERIAL. THE COLLECTED INFORMATION HAS BEEN ANALYZED BY THE STUDY TEAM AND A PRELIMINARY RESEARCH CONCEPT HAS BEEN DEVELOPED FOR A "PACIFIC BASIN SPENT FUEL CONSORTIUM". THE STUDY REPRESENTS ONGOING WORK OF A PRIVATE CONTRACTOR WHICH HAS NOT BEEN EVALUATED AND THEREFORE DOES NOT REFLECT U.S. POSITIONS, NOR DOES IT PROJECT POLITICAL POSITIONS OF OTHER COUNTRIES. NEVERTHELESS THE TEAM PLANS TO MAKE FOLLOW-UP VISITS TO IMPROVE THE VALIDITY OF THE RESEARCH RESULTS AND TO DISCUSS SYSTEM CONCEPTS WHICH HAVE BEEN DEVELOPED.VISTORS NOT INTEND TO SEEK COMMITMENT FROM PARTIES VISITED. THESE VISITS WOULD ENHANCE THE UTILITY OF THE STUDY RESULTS TO CONTRIBUTE TO THE INFCE PROCESS.

5. THE STUDY TEAM IS PREPARING TO VISIT JAPAN TO DISCUSS THE RESULTS TO DATE, INCLUDING A CONCEPT FOR A PACIFIC BASIN SPENT FUEL STORAGE CONSORTIUM, WITH THE ORGANIZATIONS PREVIOUSLY VISITED BY THE TEAM IN OCTOBER 1977. THESE ORGANIZATIONS ARE:

MINISTRY FOR INTERNATIONAL TRADE AND INDUSTRY (MITI)
MR. KOSHI YAMAMOTO, DIRECTOR, PRESIDENT'S SECRETARIAT,

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AGENCY OF NATURAL RESOURCES AND ENERGY

SCIENCE AND TECHNOLOGY AGENCY
MR. SAICHIRO YOSHIMURA, RESEARCH AND INTERNATIONAL
AFFAIRS DIVISION, ATOMIC ENERGY BUREAU

TOKYO ELECTRIC POWER COMPANY (TEPCO)
MR. TOSHIO FUKUDA, DIRECTOR & ASSISTANT GENERAL
MANAGER, NUCLEAR POWER DEVELOPMENT OPERATION

POWER REACTOR AND NUCLEAR FUEL DEVELOPMENT CORPORATION
(PNC) MR. SHIGERU SATO, MANAGER, PLANT MANAGEMENT SECTION,
REPROCESSING DIVISION.

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JAPAN ATOMIC INDUSTRIAL FORUM, INC. (JAIF)
MR. KAZUHISA MORI, MANAGING DIRECTOR AND SECRETARY GENERAL

JAPAN ATOMIC POWER COMPANY (JAPCO)
DR. RYUKICHI IMAI, GENERAL MANAGER, ENGINEERING DEPT.

JAPAN ATOMIC ENERGY RESEARCH INSTITUTE (JAERI)
DR. MITSUHO J. HIRATA, HEAD OF FAST BREEDER REACTOR
LABORATORY.

NUCLEAR TRANSPORT SERVICES, CO., LIMITED (NTS)
MR. KEISUKE KAGE, EXECUTIVE VICE PRESIDENT

6. UNLESS EMBASSY PERCEIVES OBJECTION, EMBASSY IS RE-
QUESTED TO CONTACT THE ABOVE ORGANIZATIONS TO REQUEST
MEETINGS ARRANGEMENTS FOR THE WEEK OF MAY 1.

7. MEMBERS OF THE TEAM WILL INCLUDE A. KRIGER, R. WINDERS
REPRESENTING BOEING, J. YOUNG, J. GRAY REPRESENTING IEAL
AND M. MUNTZING REPRESENTING THE LAW FIRM OF DOUB, ET. AL.
TEAM WILL ARRIVE ON APRIL 30 AND PLANS TO DEPART ON MAY 5.
EMBASSY REQUESTED TO MAKE RESERVATIONS FOR SINGLE ROOMS
AT THE HOTEL, OKURA, IF POSSIBLE. CHRISTOPHER

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# Message Attributes

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**Channel Indicators:** n/a
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**Copy:** SINGLE
**Draft Date:** 17 apr 1978
**Decaption Date:** 01 jan 1960
**Decaption Note:**
**Disposition Action:** n/a
**Disposition Approved on Date:**
**Disposition Case Number:** n/a
**Disposition Comment:**
**Disposition Date:** 01 jan 1960
**Disposition Event:**
**Disposition History:** n/a
**Disposition Reason:**
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**Executive Order:** N/A
**Errors:** N/A
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**Original Previous Classification:** n/a
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**Review Release Date:** n/a
**Review Release Event:** n/a
**Review Transfer Date:**
**Review Withdrawn Fields:** n/a
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**Secure:** OPEN
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**To:** TOKYO
**Type:** TE
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**Review Markings:**
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